



## **COLLEGE OF COMPUTING**

## **DEPARTMENT OF COMPUTER SCIENCE**

Course title: **Selected topics in computer Science**

Course code: **CoSc4181**

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# Citizenship Identification System

## 1. Introduction

Citizenship identification system is used by many governments to locate citizens, temporary residents for employment, taxation, government benefits, health care and others. An identifying number is assigned to each person, which appears on identity documents produced by a variety of countries. It registers and stores citizens information and different, various organizations will also get to search and view citizens information.

## 2. Objective

The objective of this project is to develop a computerized system that manages citizen's information.

## 3. Existing system

### 3.1 Overview

- The current system is done manually.
- Information is stored in a shelf and to some extent local computers.
- Doesn't have information sharing among kebeles
- Searching takes unnecessarily long time.

### 3.2 Actors of the existing system

- Kebele officers
  - Record citizens information
  - View citizens information
  - Search citizens information
  - Update citizens information

## 4. Proposed System

### 4.1 Overview

The system under development contain activities such as to:

- The new system records and stores citizens information
- The new system makes search and retrieval easy
- Gets rid of paper based system
- We will be able to update info easily.

### 4.2 Functional requirement

The new system includes:

- Register citizens information
- View citizens information
- Search citizens information
- Update citizens information

### 4.3 Use case modelling

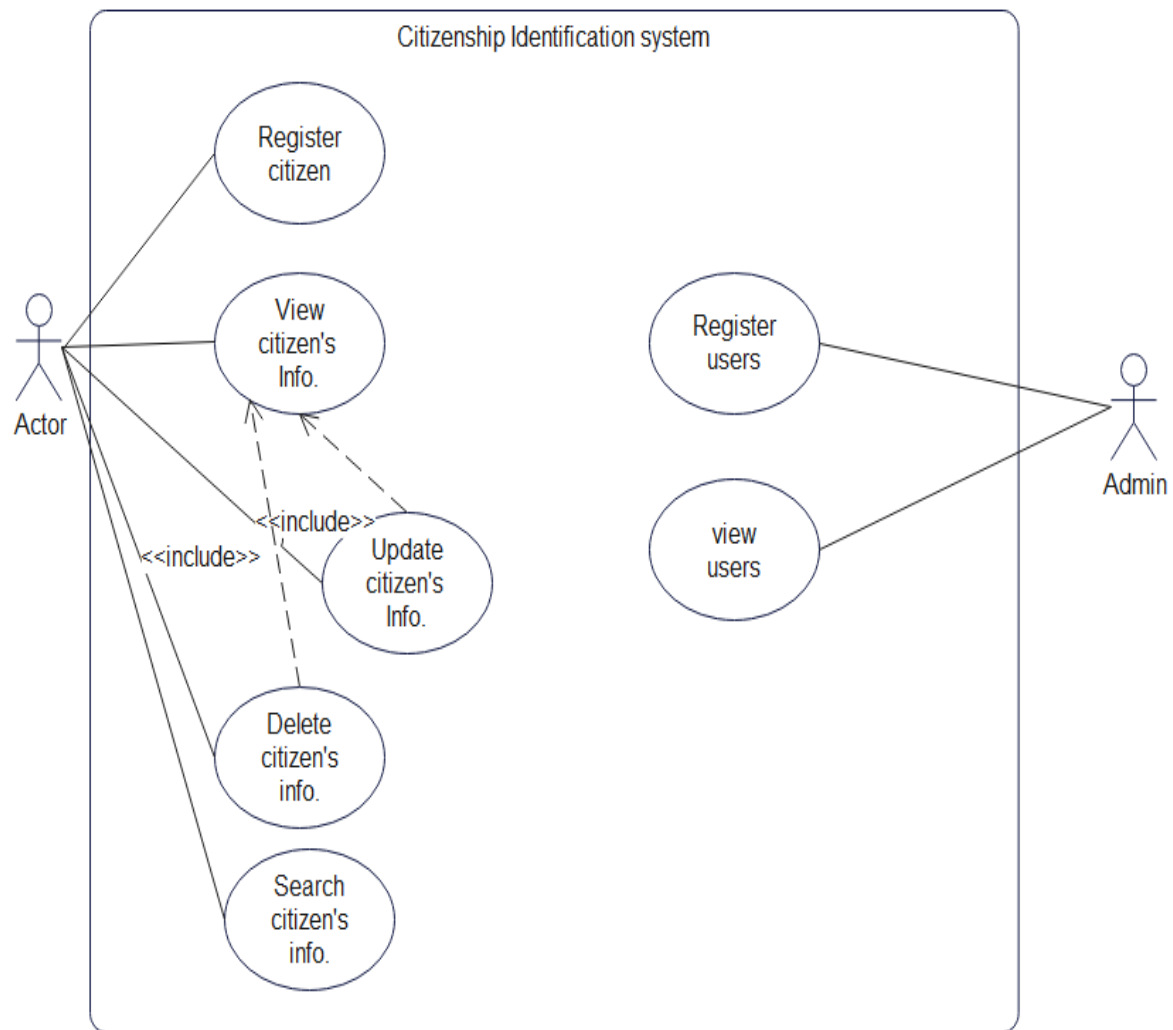


Fig 1 .Use case modelling

#### 4.4 Class diagram

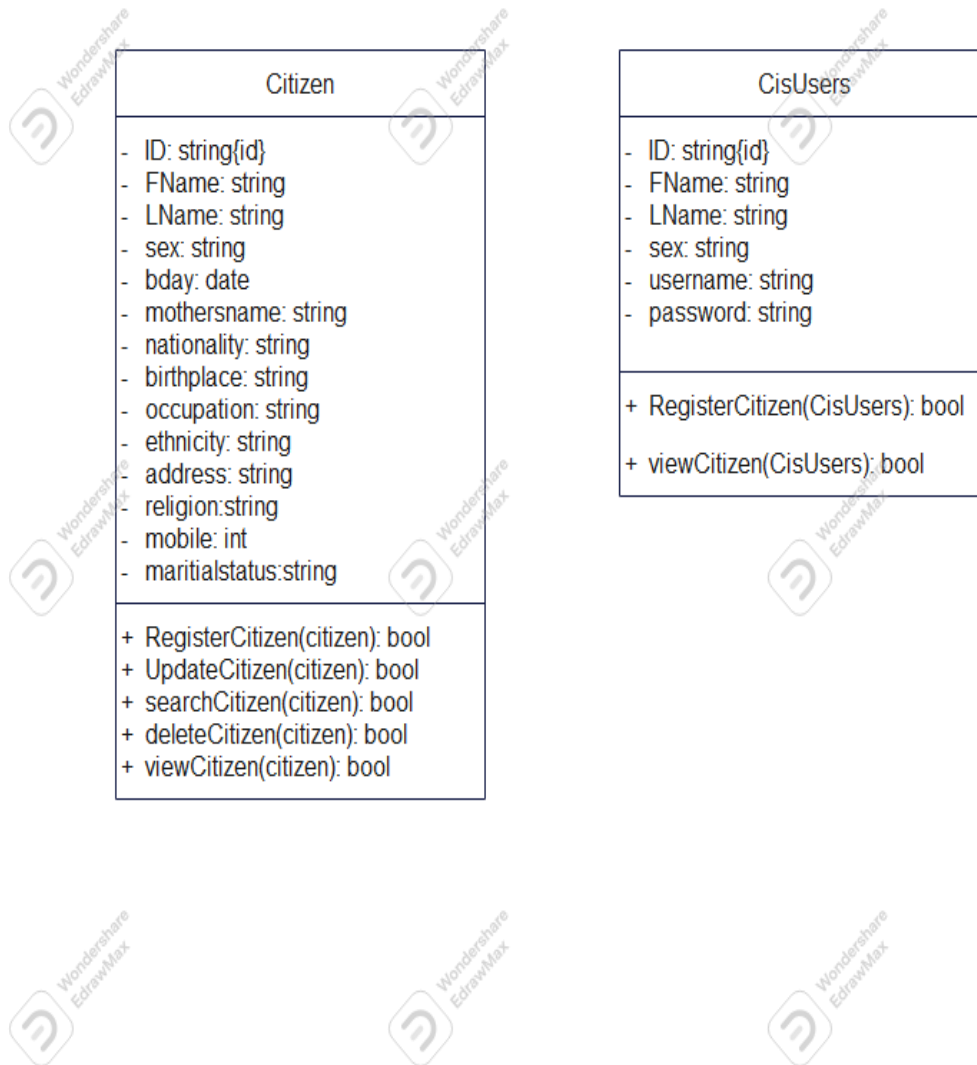


Fig 2 Class diagram

## 4.5 Database design

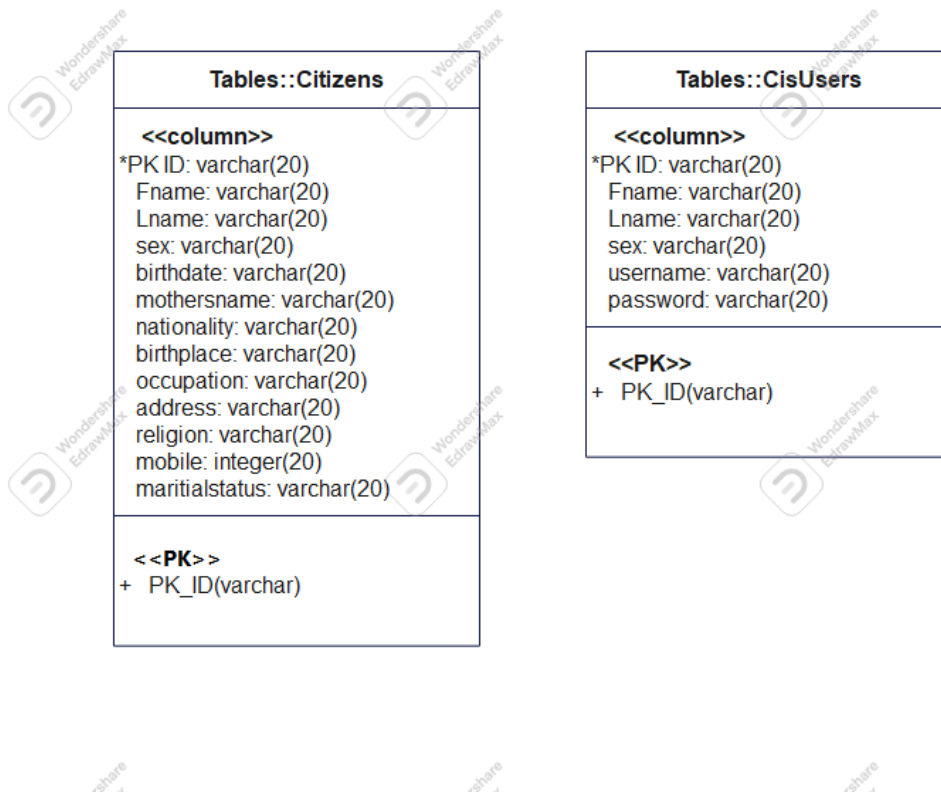


Fig 3. Database design

## 4.6 User Interface mockup

The mockup shows a web browser window with the address bar displaying "https://cis.gov". The main content area is titled "Citizens info" and contains a registration form. The form includes the following fields and controls:

- First name: Text input field
- Last name: Text input field
- Sex: Radio buttons for "Male" and "Female"
- Birth date: Text input field with slashes ( / / ) and a calendar icon
- Mother's name: Text input field
- Nationality: Text input field
- Occupation: Text input field
- Address: Text input field
- Religion: Text input field
- Mobile number: Text input field
- Marital status: Dropdown menu with options: Single, Married, Divorced, Widowed
- Register: Submit button

Fig 4. User interface mockup for register

Citizens list

ID	First name	Last name	Sex	Birth date	Mother's name	Nationality	Occupation	Address	Religion	Mobile	Marital status
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Back

Fig 5. User interface mockup for display citizens

The image shows a web browser window with the address bar displaying "https://cis.gov". The main content area is titled "Update info" and contains a form with the following fields and options:

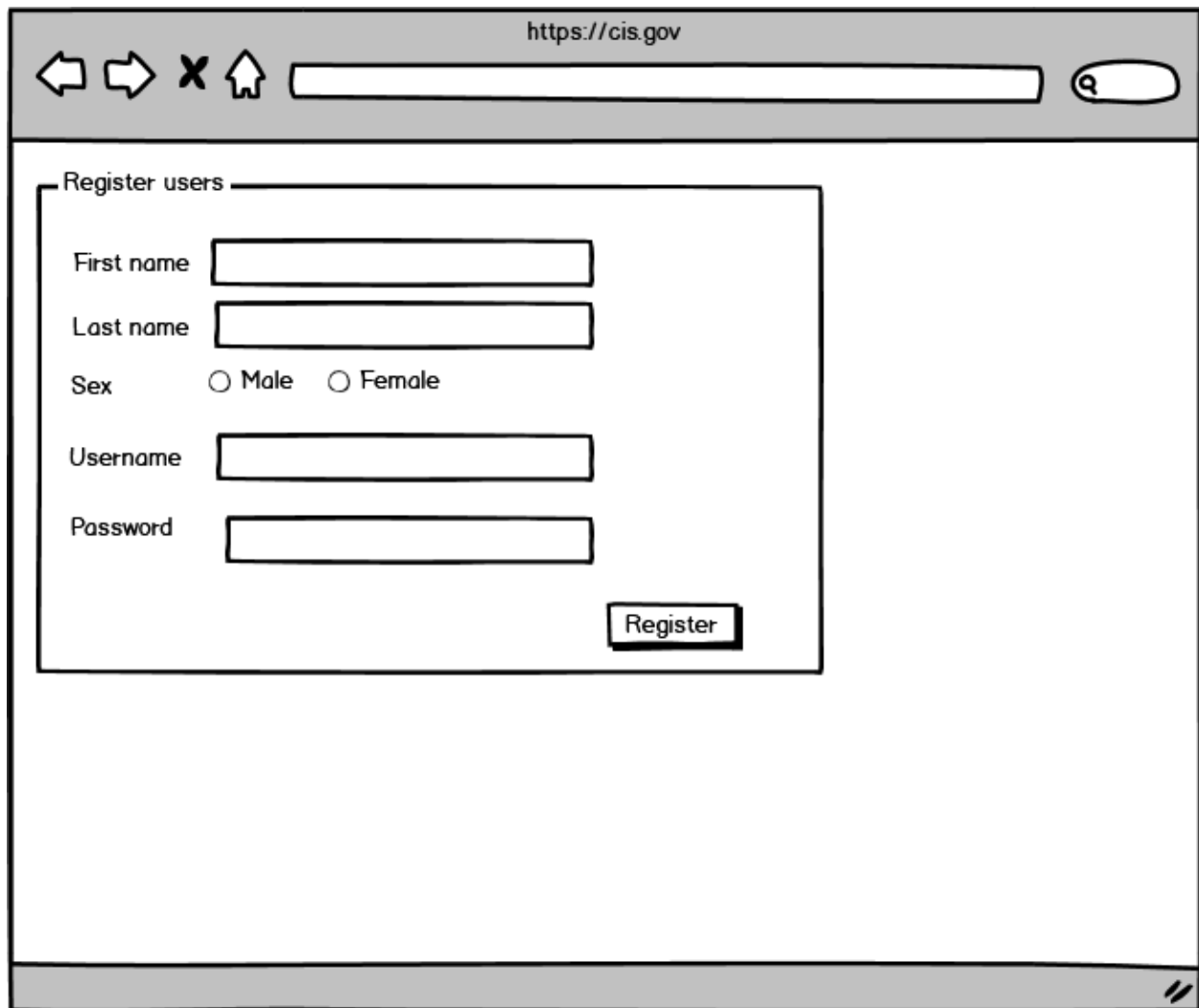
- First name:
- Last name:
- Sex: ☐ Male ☐ Female
- Birth date:
- Mother's name:
- Nationality:
- Occupation:
- Address:
- Religion:
- Mobile number:
- Marital status: 

Single  
Married  
Divorced  
Widowed

A "Register" button is located at the bottom right of the form area.

Fig 6. User interface mockup for update





A user interface mockup for a registration form. The browser window has a title bar with navigation icons (back, forward, stop, home) and a search icon. The address bar shows "https://cis.gov". The main content area contains a form titled "Register users" with the following fields: "First name", "Last name", "Sex" (with radio buttons for "Male" and "Female"), "Username", and "Password". A "Register" button is located at the bottom right of the form. The browser window has a grey footer bar with a small icon in the bottom right corner.

https://cis.gov

Register users

First name

Last name

Sex ☐ Male ☐ Female

Username

Password

Register

Fig 7. User interface mockup for register user